STORNEXT XCELLIS

Flexibility and Performance
for Shared Storage Collaboration

FEATURES & BENEFITS

Simply Deploy and Manage
Xcellis Appliances are the easiest way to deploy and grow your StorNext file system environment.

Purpose-Built for Maximum Performance
Xcellis appliances are tuned and tested to maximize StorNext file system performance.

Flexible Deployment Options
Xcellis can be deployed in a high-availability pair, or extended by adding additional Xcellis servers.

Drive High-Performance Shared Workflows to New Heights

Quantum Xcellis® is the control center for fast, reliable StorNext® environments worldwide, driving and managing every aspect of the file system and shared storage environment, connected users, and attached storage systems. Xcellis can be deployed as a high-availability pair of two servers, then can add more servers at any time to offer more client connectivity performance or additional network share performance.

The newest generation of Xcellis offers higher peak and sustained performance, and up to 1.6x performance improvement for file systems operations, ensuring that even the largest shared storage environments are highly responsive for all users. Xcellis is engineered to get the highest throughput from the widest range of shared storage appliances like Quantum QXS™-5 Series HDD and SSD storage systems, and offers the fastest performance ever for StorNext on Quantum F-Series NVMe flash storage systems for the most demanding streaming file needs.

Xcellis is also designed to make the most of the fastest available connection technologies, offering a choice of 100 Gigabit Ethernet with RDMA support for NVMe-oF or 32Gb Fibre Channel, and is ready for 200 Gigabit Ethernet or 64Gb Fibre Channel as your connectivity environment evolves.

LEARN MORE:

www.quantum.com/xcellis

	XCELLIS WORKFLOW DIRECTOR	XCELLIS WORKFLOW EXTENDER
Appliance Use	Hosts StorNext storage environment and powers all file system metadata operation and management	Adds additional performance and scalability for large workgroups or network file sharing
System Specifications	Each individual node is a standard 1U PCIe4 server appliance featuring a 3 GHz AMD server-class processor, and choice of 256 GB or 512 GB of DDR4 ECC memory.	
High Availability Features	Each individual node offers dual, redundant, field replaceable 750 W power supplies, six individual, field replaceable cooling blowers, dual mirrored NVMe boot drives, and dual mirrored onboard data logging drives.	
System Configuration	**Single or Dual High-Availability Pair** Supports combined or separate storage for metadata, and user storage via Quantum QXS-5 Series (HDD/SSD) or Quantum F-Series (NVMe), or separate metadata and user storage support on third-party storage. Requires StorNext 7.2 subscription.	**Single or Multiple Servers** Addition to existing Xcellis-powered StorNext environments in one or more servers as needed.
Licensing	StorNext 7 subscription with choice of support levels, no licenses needed for connected clients.	Extends existing StorNext 7 shared storage systems, adding Scale-Out Data Services Node License enables NAS Gateway, DLC Gateway, Distributed Data Mover, FlexSync™ Agent, and File Systems Pools Agent functionality.
Client Support	StorNext 7 supports directly connected StorNext clients on macOS, Windows, and Linux, network-connected StorNext LAN clients for macOS, Windows, and Linux, and SMB, NFS, Active Directory, OpenLDAP, RESTful API connections.	
Connectivity	Each node offers 3 PCIe4 slots available with choice of: **Ethernet:** • dual port (2) 100GbE with either QSP28 optical or DAC copper ports • quad port (4) 10GbE/25GbE auto-sensing with either QSP28 optical or DAC copper ports **Fibre Channel:** • quad port (4) 32Gb Fibre Channel	
Dimensions and Weight (per 1U appliance)	Height: Standard 1U, 1.7" (43 mm) Width: Standard 1U, 17.2" (437 mm) Depth: 23.5" (597 mm) Weight: 25 lb (11.34 kg)	
Environmental Specifications	Operating Temperature: 10 °C ~ 35 °C (50 °F ~ 95 °F) Non-operating Temperature: -40 °C to 60 °C (-40 °F to 140 °F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)	
Power and Cooling (per 1U appliance)	**Total Output Power** • 700 W: 100 - 140 Vac • 750 W: 200 - 240 Vac • 750 W: 200 - 240 Vdc (for CCC only) **Input** • 100 - 140 Vac / 8 - 6 A / 50 - 60 Hz • 200 - 240 Vac / 4.5 - 3.8 A / 50 - 60 Hz • 200 - 240 Vdc / 4.5 - 3.8 A (CCC Only) **+12V** • Max: 58 A / Min: 0.5 A (100 - 140 Vac) • Max: 62 A / Min: 0.5 A (200 - 240 Vac) • Max: 62 A / Min: 0.5 A (200 - 240 Vdc) (CB/CCC only) **+5V sb** • Max: 3 A / Min: 0 A **Certification** Platinum Certified	